

**Notice of Allowability**

Application No.

10/603,888

Examiner

Yolanda L. Wilson

Applicant(s)

JOHNSON ET AL.

Art Unit

2113

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment received on 04/28/2007.
2. ☒ The allowed claim(s) is/are 1-40.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## **DETAILED ACTION**

### ***Allowable Subject Matter***

1. Claims 1-40 are allowed.

### ***Reasons for Allowance***

2. The following is an examiner's statement of reasons for allowance: The primary reason for the allowance of claims 1-22 is the inclusion of the following limitation: a diagnostic controller having a first mode adapted to communicate the I/O value between the I/O connection and the diagnostic interface and having a second mode adapted to receive the first attribute value from the diagnostic interface and to store the first attribute value in the configuration memory, wherein the at least one configurable attribute of the I/O connection is configured by the first attribute value'.

The primary reason for the allowance of claims 23-28 is the inclusion of the following limitation: 'a configuration controller adapted to store in the configuration memory the set of attribute values received by the configuration interface in response to a configuration signal wherein the set of attribute values configure the set of configurable attributes of the device and the I/O connection'.

The primary reason for the allowance of claim 30 is the inclusion of the following limitations: 'receiving an attribute value from a plurality of attribute values associated with the attribute of the I/O connection from the diagnostic interface when the diagnostic instruction is of a second type; and storing the attribute value in a configuration memory, wherein the I/O connection is configured from a first state to a second state in response to the attribute value when the diagnostic instruction is of the second type'.

The primary reason for the allowance of claims 33-35 is the inclusion of the following limitations: 'receiving an attribute value from a plurality of attribute values associated with the attribute of the I/O connection from the diagnostic interface when the diagnostic instruction is of a second type; storing the attribute value in a configuration memory, wherein the I/O connection is configured from a first state to a second state in response to the attribute value when the diagnostic instruction is of the second type; receiving a configuration signal via the diagnostic interface; retrieving a set of attribute values defining the function of the reconfigurable device from a configuration device via a configuration interface in response to the configuration signal'.

The primary reason for the allowance of claims 36-40 is the inclusion of the following limitations: 'wherein the reconfigurable device includes a configuration controller adapted to initiate the reception of the stored set of device attributes in response to a configuration signal, and a diagnostic controller having a first mode adapted to communicate the I/O value between the I/O connection and the diagnostic interface and having a second mode adapted to send the configuration signal to the configuration controller, wherein the I/O connection is reconfigured in response to at least one of the device attributes'.

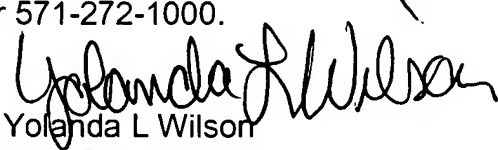
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yolanda L. Wilson whose telephone number is (571) 272-3653. The examiner can normally be reached on M-F (7:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on (571) 272-3645. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
Yolanda L. Wilson  
Primary Examiner  
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